

CONTOURED LAYER CHANNEL FLOW FILTRATION MEDIA

Abstract

A filtration media array is provided having at least one contoured polymeric film layer having surface structures. The film layers may be configured as a stack that has the contoured film layer defining a plurality of ordered inlet openings through a face of the stack and corresponding air pathways, thereby forming an open, porous volume. The air pathways may be defined by a plurality of flow channels formed by the contours of the structured contoured film layers.